

Albatross

20050

to

20098

1920

To fish at 1000 meters
if the wire has a stray of
 30° let out 1156 meters
 40° " " 1304 " "
 50° " " 1560 "

$$\begin{array}{r} 19 \\ 20 \\ \hline 380 \\ 27 \\ \hline 103 \\ 100 \\ \hline 3 \end{array}$$

Station No. 20050 Date: Mar. 1 1912

Hour: 2³³ P. M. to 4.20 P. M.

Position: Lat. 42° 30' N Long. 70° 18' W

Chart 40941

Locality: Gulf of Maine

Depth: 176 M Bottom: — Sample: —

Wind: Direction, NNW Force, 3

$$Air - 44 = 6.7$$

Sea: Sky:

TEMPERATURES

Depth metres	Thermometer— Make and No. BS. #	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	Lyon "A"	36.2°F	—	+0.5	2.5	✓	
20	N.Z. 20873	2.10	8.6	-1.5	1.95	✓	2
40	N.Z. 20875	2.00	9.0	-1.1	1.89	✓	6
100	N.Z. 20874	1.68	8.5°	-1.6	1.52	✓	4
150	N.Z. 20872	1.86	8.0°	-1.8	1.68	✓	5

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

1.9
2
3
4
5
6
7
8
9

NETS, ETC., USED

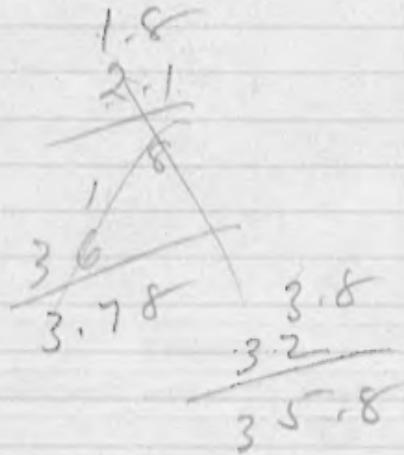
Description	Depth metres	TIME		Speed
		Down	Up	
Vertical net	150 M	3.30	3.32	
metre "	75-0	3.45	4.15	1/2
Surface 20	0	"	"	"
1/2 metre ✓	0	"	"	"

metre net - 150 m. out
at L 70° varied 60 - 80°

11-5314

NOTES

Wells' alkalinity Tubes.
 alkalinity
 green indicator - darker than 8.3
 red indicator, lighter than 7.8.
 Can't get an agreement.



Station No. 70051

Date: Mar 1-2 1920

Hour: 7:00 P. M. to 7:30 A. M.

Position: Lat. 42°-30'-30" N Long. 70°-08'-30" W
Chart 40941

Locality:

Depth: 44 fms Bottom: — Sample: —
79 meters

Wind: Direction, — Force, —

Sea: — Sky: —

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Duration in MINS	Corrected Temp.	W. Sample	Knots per hour	Bottle used
					13 sec	13.5	0.50		
						12.8	0.50		
						15.6	0.97		
						13.06	1.10		
						11.8	1.10		
						11.6	1.30		
						11.2	0.70		
						11.3	0.70		
						10.5	1.20		
						11.5	0.70		
						11.0	0.50		
						11.2	0.60		
						11.5	0.60		
						11.5	0.60		
						10.5	0.70		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction
					11.2	0.60

Color of water:	Transparency:	11.5	0.50
REMARKS: Anchored in 44 fms.		11.19	0.60
		11.2	0.50
		11.8	0.50
		15.0:21	0.60
		10.35	0.50

NETS, ETC., USED

747
13 48
21918

Description	Depth	TIME		Speed
		Down	Up	

11-5314

NOTES

Current Meter #98

Hour	Surf	Depth (50 m)	Compass
7:17-7:30 P	740		ENE ✓
7:47-7:59:48	-	880 -	W. ✓
8:21-8:26:40-	2015		SW. ✓
8:52-9:05:04 1/2		1950	SW ✓
9:31:45-9:43:35	1910		WNW r
10:04:50-10:16:31		2120	WxS ✓
10:31-10:45:13	1060		NW ✓
11:01:35-11:12:53		1020	NW ✓
11:31:40-11:45:09	1775		NW ✓
AM March 2			
12:04:50-12:16:16		1120	NW r
12:31:25-12:42:26	670		NW ✓
1:02:20-1:13:37		885 -	N.W. ✓
1:55 = 11:30 slaps	825.		N SE S.
2:20 = 11:28 sl.		810.	E.
(at 2 m. drift from SE, seen as meter came up).			SE note.
3:00 = 10 ² 28 sl. 880.			E. ✓
3:20 = 1.1-16 sl.		780	N.E.E.
(drift at 2 m. from E, seen as meter came up).			
4:02 11m	685.	near bottom, N.	
inf. meter headed ESE (was visible throughout the city).			
4:20 11 ^m 6.85 -	at 10 m. depth;	{ S E N E { O E	
4:40 = 11:5 kel	630		N. E. ✓
5:10 = 11.19 "		860	E. S. E., E. N. E.
5:45 = 11.2 "	680		
6:13 = 11.8 "		710	E. S. E.
6:45 = 10.21 "	720		N. E.
7:15 = 10.35 "		650.	A. S. E.

Station No. C-20052 Date: Mar. 2 1920

Hour: 6:15 P. M. to 9:30 P. M.

Position: Lat. $42^{\circ}43'N$ Long. $68^{\circ}41'E$
Chart NO 941

Locality:

Depth: 210 m Bottom: — Sample: —

Wind: Direction, ENE Force, 1 Air 26 = -3.3

Sea: smooth Sky: cloudy

TEMPERATURES

Depth meters	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0 NZ 164602	36.5	36.5				✓	
" R 153	2.70	6.5	-0.8	2.62			8
20 NZ 21575	2.29	7.5	-0.5	2.24	✓		8
40 " 20873	2.50	0°	-0.2	2.48	✓		2
100 " 20875	2.50	3.0	-0.3	2.47	✓		6
150 " 20874	3.60	.5°	0	3.60	✓		4
200 " 20872	5.40	1.0	-1.6	5.24	✓		5

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

NETS, ETC., USED

Description	Depth metres	TIME		Speed
		Down	Up	
Vertical (1/2 meter)	200-0	7:08	7:13	PM
Closing net (cable out 200 m)	L 35-45° 170 X	7:23	8:11	
Meter net (cable out 125 m)		8:15	8:45	
#20 #10 (1/2 m)	{ 0	8:15	8:45	
1/2 meter (cable out 125 m)	100-0	9:05	9:20	

11-5314

NOTES

Closing, meter + surface nets towed
30 min.

Closing net successful.
Rich catch Calanus, Encheta -
Megamachthanes - Limacina -
Sagitta elegans. Below.

Meter net carried away, one side of
loop & sinster having parted. The
1/2 meter net was put down at the
same depth and towed 10 min.

Station No. C-20053 Date: March 3 1920

Hour: 5⁰⁰ A.M. to 7:15 A.M.

Position: Lat. $42^{\circ} 45'$ Long. $67^{\circ} 28' W$
chart # 0 941

Locality:

Depth: 235 M Bottom: — Sample:

Wind: Direction, ENE Force, 1

Air -32 = 0

Sea: smooth Sky: cloudy

TEMPERATURES

Depth metres	Thermometer— Make and No. B.S. #	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	Tyros "A"	36.5		+0.5	2.78	✓	6B#
20	N.Z. 21575	2.18	1.9	+0.2	2.20	✓	8
40	" 20873	2.39	1.9	-0.5	2.34	✓	2
100	" 20875	2.30	1.0	-0.2	2.28	✓	6
150	" 20874	4.96	1.5	0	4.96	✓	4
225	" 20872	5.40	1.8	-0.1	5.39	✓	5

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

NETS, ETC., USED

Description	Depth metres	TIME		Speed
		Down	Up	
Vertical ($\frac{1}{2}$ m)	225.0	5:50	7:11	
Closing net (4 ft mt 250m)	225.0	6:10	6:45	
#20 $\frac{1}{2}$ m	0	6:05	6:35	
Closing net (call out 100m) $\frac{1}{2}$ m	75.0 0	6:55 6:55	7:15 7:10	

11-5314

NOTES

Closing + surface nets towed 30 min.
 $\frac{1}{2}$ m, 2nd haul, towed 15

Station No.

Date:

1912

Hour: 11:10 A.M. to 2:10 P.M.

Position: Lat. 41° 45' N. Long. 71° 45' W.

Chart 40 941

Locality:

Depth: 260 fms. Bottom: Co. sand Sample: 111

Wind: Direction, SW Force, 2 AIR 39 = 3.9

Sea: Sky:

TEMPERATURES

Depth fms.	Thermometer— Make and No. B.S. #	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	Tyco "A"	36°	—	+0.5	35.5	✓	
20	N.Z. 21575	1.82	2.	+0.2	1.84	✓	8
40	" 20873	1.89	2.0	+0.3	1.79	✓	2
100	" 20875	1.80	2.5	+0.3	1.77	✓	6
170	" 20874	5.40	3.0	0	5.40	✓	4
150	" 20872	5.51	2.8	-0.3	5.48	✓	5

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS: No water sample obtained at 11-5314
 11:10 A.M.; bottom fell down at end of bottle
 at 225 m. & sample was gotten.

NETS, ETC., USED

Description	Depth meters	TIME		Speed
		Down	Up	
Vest. net/ 5 m.	210 - 0	11:46	11:49	
Elring net, bottom, $\leq 35^{\circ}$	121 - 0	12:37		1/1
1/2 m. #20			11:51	21
			P	
1/2 m (current 15 cm)		1:35	2:00	

11-5314

NOTES

Bottom set 15 cm. 25 m. 1/1
 1/2 m. trip at sand bottom 21
 1/2 m. 15 cm. 1/1

Station No.

Date:

101

Hour: 5.15 P.M. to 7.30 P.M.

Position: Lat. $43^{\circ} 42' N.$ Long. $69^{\circ} 55' W$
Chart 40941.

Locality:

Depth: 230 m Bottom: — Sample: —

Wind: Direction, N Force, 1
Air - 39 = 39

Sea: Sky:

TEMPERATURES

CURRENTS

Color of water:

Transparency:

REMARKS:

31-5314

NETS, ETC., USED

Description	Depth metres	TIME		Speed
		Down	Up	
Vestimentiferous	2239	6.42	6.42	
Coring net 4 m. 30 sec.	2700	6.42	7.22	
Scallop 2 m.	175+	"	"	
for meter		"	"	

11-5314

NOTES

clearing net successful
 first catch - column of
 megalopterans.

5

Station No.

P-20056

Date:

1912

Hour: 10:15 P. M. to 12:00 M. 1/1 M.

Position: Lat. $44^{\circ} 05'$ Long. $65^{\circ} 08'$
Chart 110 941

Locality:

Depth: 100 M. Bottom: — Sample: —

Wind: Direction, SW Force, 1 AIR 38 = 3.3

Sea: ~~Permit~~ Sky: —

TEMPERATURES

Depth metres	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	Tyco "A"	33.6	—	.05	33.7	v	G
20	N220873	0.52	1.5°	-.02	0.50	v	
40	" 20875	.51	1.5°	-.02	0.49	v	L
100	" 20874	2.0	2.0	-.05	1.95	v	H

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

NETS, ETC., USED

Description	Depth m.	TIME		Speed
		Down	Up	
Vertical net	100~0	11.15	11.18	
Chaining net (1/2 m.)	1.5	11.35	12.0 Mdr	
Surface	0	11.30		
" 1/2 meter	0	"	12 Mdr	

11-5314

NOTES

Vertical net, practically nothing.
 Chaining net worked often best.

Station No. 120117

Date: 1911

191

Hour: 7 A.M. to 8:30 A.M.

Position: Lat. 43° 21' Long. 68° 58'
Chart H.O. 941

Locality:

Depth: 130 fms Bottom: 94 M Sample: 20

Wind: Direction, S x W Force, 1
Alt 40 = H.W

Sea: smooth Sky:

TEMPERATURES

Depth meters	Thermometer - Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	Jewett	35.5	-	+0.5	2.22	✓	
20	N.Z. 20872	2.00	4.9	-0.9	1.91	✓	5
40	" 20873	2.00	5	-0.9	1.91	✓	2
55	" 20875	1.91	2.5	-2	1.39	✓	6
125	" 20874	2.1	5	-1.0	2.00	✓	4

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

NETS, ETC., USED

Description	Depth m.	TIME		Speed
		Down	Up	
V.E.T. net	120-0	7 ⁵⁰	7 ⁵⁰	
Coring net - 0.5 m.	75-0	5.00		
" 20.	0			
2 mtr	0			

11-5314

NOTES

vertical - very scanty
 coring (used open) - small catch,
 Calanus, Clione, 2 jow. fish.

Station No. C-2005 Date: 11-11 1920

Hour: 1:0 P.M. to 7:18 P.M.

Position: Lat. 42° 44' N Long. 69° 38' W

Locality:

Depth: 50 m Bottom: Sh. S Sample: 20

Wind: Direction, S X W Force, 1

Sea: 7' waves Sky: Clear

TEMPERATURES

Depth m.	Thermometer Make and No. P. T.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	N. Sample	Bottle used
0	1,2,408 + 0.72	1.34°	-	0.1	1.34	✓	
15	1,2,408 + 0.72	1.32	3.5	-0.1	0.61	✓	6
45	1,2,408 + 0.72	1.32	4.0	-0.1	1.43	✓	4

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

NETS, ETC., USED

Description	Depth metres.	TIME		Speed
		Down	Up	
Vertical (1/2 m)	45-0	1.28 PM	1.31	
Closing net - 1/2 m (about 45 m)	30-0	1.35		
1/2 m (1/10) * 20	30-0	1.35		1/2 hours.

11-5314

NOTES

vertical - haul myline, but saved
 20 chawl small amt. At last
 some large *Pleurobranchus*
 20 net - rich brown.

Station No.

C-20059 Date: March 4

1912

Hour: 6 P.M. to 7:05 P.M.

Position: Lat. $41^{\circ} 25'$ Long. $70^{\circ} 12'$
Chart No. 941

Locality:

Depth: 0' Bottom: 10 fms Sample:

Wind: Direction, ESE Force,
 $11 + 42 = 56$

Sea: Smooth Sky:

TEMPERATURES

Depth meters	Thermometer— Make and No. B.S.T.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	Sample No.	Bottle used
0		33.2	-	.1	33.1	✓	
20	142.500	0.66	8.0	.13	0.51	✓	
40		0.70	7.5	.17	6.61	✓	
70	" 20874	2.40	4.0	.07	2.33	✓	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

NETS, ETC., USED

Description	Depth fath.	TIME		Speed
		Down	Up	
25 fath. (bottom)	70 - 0	7:45		
10 fath. (bottom)	60 - 0	6:45	7:05	
" 20 " 10	6 - 0	6:30	7:00	

11-5314

NOTES

Local haul - only
 not saved.
 20 net - much variation,
 other net nearly the same
 large drift with suspension.

Station No. C-2006 Date: Dec. 11 1911

Hour: 10-30 P.M. to 12 M.S.

Position: Lat. $43^{\circ} 02'$ Long. $70^{\circ} 27'$
Chart H.O. 741

Locality:

Depth: 10 m. Bottom: rocky mud. Sample: 1.

Wind: Direction, ESE Force, 2 Air-42 = 56

Sea: Smooth Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	L.S. 62	57	-	.04	59	.	
20	"	1.30	3	.04	1.26	.	2
40	" "	1.32	2	.04	1.28	✓	2
60	"	1.23	3	.04	1.19	.	1

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

NETS, ETC., USED

11-5314

NOTES

* 6. - ~~critical~~ my son's, but saved.
* 20. - ~~Health~~ with ✓
The man on surf - some calamari,
2 fried fish
9. - o - Tuna and calamari
Myanmarese vegetable
1. ~~Flounder~~, 1 ft. long ~~big~~ ~~yellowtail~~
New York.

Station No. C-20061 Date: 4/20/55 191

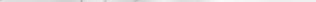
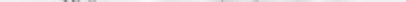
Hour: 1:30 A . M. to 3:00 A . M.

Position: Lat. $43^{\circ} 00'$ Long. $70^{\circ} 11'$
Chart 440 901

Locality:

Depth: 100-110 Bottom: 99 M Sample: 1

Wind: Direction, SE Force, 3

Sea:  Sky: 

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	Tyco's "A"	33.8	—	+0.7	1.3	V	
20	NZ. 20872	.92	4.	-.07	0.85	V	5
40	" 20873	1.40	3.8	-.07	1.	V	2
100	" 20875	2.0	3.5	-.04	1.96	V	6
175	" 20874	4.30	3.5	-.04	4.16	V	4
165	" 20875	4.30	2.5	-.01	4.29		1

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

NETS, ETC., USED

Description	Depth m.	TIME		Speed
		Down	Up	
Vertical net	175-0	AM		
Lighter	100-0	1:51	3:00	
Surface	0	"	"	
D" 1/2 m	0	"	"	

11-5314

NOTES

11. To find upper limit
of certain of corals
vertical, sandy
deep bank.

With station in profile,
bright sun.

Station No. C-2006.3 Date: 16. 2. 1912

Hour: 8:45 A.M. to 9:15 A.M.

Position: Lat. $42^{\circ} 26'$ Long. $70^{\circ} 42' 30''$

Locality:

Depth: 50 M Bottom: Gr. m. + 5 ft. Sample: -

Wind: Direction, S.E. Force, 3 Air temp = 6.1

Sea: Medium Sky: Clear

TEMPERATURES

Depth metres	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	Tyco's "A"	32.9	-	+0.5	30.4	✓	
20	"	30.60	41	-0.5	30.15	✓	6
50	" 20874	30.45	4.5	-1.2	30.33	✓	47

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

NETS, ETC., USED

Description	Depth Meters	TIME		Speed
		Down	Up	
1/2 meter vertical	50 - 0	1 min		
Dipper, mesh open 1/2 in. 100 m	30 - 0	9 min	22	
1/2 m.	Surface			15 min
1/2 meter	"	"	"	1/2 hour

11-5314

NOTES

Vertical - 1/2 m. Tuna

Several pleurobranchii &
several almost nothing else.30 - 0, 1/2 min. Blunderbuss
large & small, few corals
some calanops, etc.

Coral reef. 1/2 m. Tuna Sarei

Station No. 10006 Date: Nov. 1 1910

Hour: 1:30 A.M. to 3:40 A.M.

Position: Lat. $42^{\circ}06'N.$ Long. $68^{\circ}10'W.$
Chart H.O. 941

Locality:

Depth: 100 fms. Bottom: Gr. Sample: 1

Wind: Direction, SxE Force, 1 Air $45 = 7.2$

Sea: Smooth Sky: Clear

TEMPERATURES

Depth mms.	Thermometer Make and No. B. & T.	Reading 38°	Stem Temp. —	Correc- tion -0.01	Corrected Temp. 3.61	W. Sample ✓	Bottle used
10		3.50	4.	-0.01	3.49		
35		3.20	6.	-0.11	3.09		
45		3.180	6.	-0.12	3.05		
140		4.32	4.	-0.03	4.29		
190		4.70	6.	-0.07	4.63		
190	"	4.70	4	-0.05	4.55		

Alkalinity - Surface 7.9
190 meters, 7.9.

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-8314

NETS, ETC., USED

Description	Depth metres	TIME		Speed
		Down	Up	
1/2 m. bottom	190 - 0	AM		
closing 20° and 125° touched bottom	20 - out 190 - X5	3.1	3.40	

11-5314

NOTES

water very cloudy, bottom

thin

Station No.

Date:

191

Hour: 10:45 A.M. to 12:45 P.M.

Position: Lat. 42° 26' N. Long. 67° 13' W.
Chart H.O. 941

Locality:

Depth: 115 fms Bottom: Rock bed. Sample: -
315 meters

Wind: Direction, S x E Force, 1

Sea: Smooth Air 48 = 8.9
Sky: Clear

TEMPERATURES

Depth meters	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	Tyco's A	2.8	10.5	.05	3.5	✓	104
20	N.Z. 215	2.80	3.5	0	2.80	✓	
40	" 208	2.82	5.	-.09	2.73	✓	
100	" 215	2.10		-.01	2.09		
150	" 208	4.0		-.10	4.20		
"	" 208	4.7		-.16	4.32		
250	" 208	4.80		-.06	4.24		
300	" 208	4.12		-.11	4.02		
<i>Altimeter - Surface</i>							7.9
<i>330 m,</i>							8.0

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

NETS, ETC., USED

Description	Depth Meters	TIME		Speed
		Down	Up	
Bottom	340 - 0	AM		
Magnetic Viscos.	220 out, 165 in	11.22	12.32	
1 m	0	11.22	11.32	
# 20	0	" "	PM	
Open bottom closing	125 - 0	11.22	11.52	
	$\angle 30^\circ$			

11-5314

NOTES

Surface - sand micro
 vertical - scanty sand
 glazing greenish - one
 layer Lithophane, few
 condition - surface sand
 few cope etc - all saved in jar
 Intermediate sandy slightly
 scanty - all saved.

Station No. 700 Date: 11 1918

Hour: 5:45 A.M. to 6:25 A.M.

Position: Lat. $41^{\circ} 55'$ Long. $66^{\circ} 53'$
Chart 40941

Locality: N.E., 9 1/2 miles Bank.

Depth: 38 fath. Bottom: - Sample: -

Wind: Direction, S x W Force, 3

Sea: 8 Sky: Air 47 = 8.3

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
"	K.					6.8	
"	W.C. 500	3.10	6	-0.1	2.91		
"	"	3.00	5.5	-0.5	2.95		
"	"	2.85	6	-0.1	2.74		
<i>Bottom temperature</i> 7.9							
<i>At 80 meters</i> 7.9							

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

NETS, ETC., USED

Description	Depth Metres	TIME		Speed
		Down	Up	
Vertical net	80-0		PM	
* Multi net Current 75 m, $\angle 40-115^\circ$ (40-0)	75 m	5:15	/	
# 20 112 m	75 m	0	5:15-6:15	

11-5314

NOTES

Vertical - simultaneous trawl
 Multi net - small haul.
 # 20 - rather thin species.

- A Scoured - $41^\circ 59' \times 67^\circ 01'$, 120 fath
 B. $41^\circ 59' \times 66^\circ 58'$, 115 fath
 C. $41^\circ 57' \times 66^\circ 56'$, 70 fath
 D; plumb, $41^\circ 55' \times 66^\circ 53'$ 55 fath

Station No.

Datei:

191-1)

Hour: 7:00 P.M. to 10:15 P.M.

Position: Lat. $41^{\circ} 34'$ Long. $66^{\circ} 45'$
Chart 140 741

Locality:

Depth: 75 meters Bottom: — Sample: —

Wind: Direction, SxW Force, 2

Sea: Smooth Sky: Cloudy,

TEMPERATURES

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
1/2 m vertical	70 -	PM		
Meter fall out 70m	6. - 1			
#20	surface	1. 5		
1/2 hr. with haul		1 hour		

11-5014

NOTES

Vertical - sonar; son cal.
+ bathymeter

Fish haul in all net
many large fish eggs.

Total
catch = 500 - 100 lb. of fish
Circa 10m + mostly later
over sample or 10m length,
the same but (Hippocampus).

From 10m depth.

Sea bass
Pine gurnard & limanda
occurred, also yellowtail & a lot
of flatfish, appearing here about from
10m to 100m
at 100m nothing was seen.

fishhook several were
found open.

Station No.

Date:

1912

Hour: 055

M. to 11-17 A. M.

Position: Lat.

Long.

Chart 40 9011

Locality:

Depth: 95 fathoms Bottom:

Sample:

Wind: Direction, SW Force, 2

Sea:

Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	140.4	37		.15	37.15		
20	140.4	35.0		.13	34.87		
40	120875	2.90	6.	.07	2.83	✓	6
90	120874	2.90	6.	.10	2.80	✓	4
<i>All thermometers 1°</i>							
" 90 meters					7.8		
"					7.9		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
1/2 m. vertical	10-0	11'		
Water net (cable mt 90 m)	50-0	3' -	2' 12	
1/2 m. net #20	{ 0		1' 12	

11-5314

NOTES

20 m. sub-surface - few eggs.
 small fish & some eggs.
 1/2 m. surface - fair some *Limaicina*
 many eggs.
 Vertical. Fair few fish eggs.

Station No. C 20068 Date: March 12 1910

Hour: . M. to 8 A. M.

Position: Lat. $111^{\circ} 02' N$ Long. $66^{\circ} 20'$
Chart HO 741

Locality:

Depth: 191 m Bottom: — Sample: —

Wind: Direction, SW Force, 2
 $Air - 49 = 9.4$

Sea: Sky:

TEMPERATURES

Depth metres	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected* Temp.	W. Sample	Bottle used
0	Tycos A.	37.5	.	+0.5	3.33	✓	
20	NZ 20872	3.04	7	-1.1	2.90	✓	5
40	NZ 20873	3.06	6.5	-1.4	2.92	✓	2
100	NZ 20875	3.62	6	-0.6	3.56	✓	6
150	NZ 20874	4.48	6	-0.8	4.40	✓	4
190	NZ 20874	4.99	5.5	-0.8	4.92	✓	4

Alkalinity,
150 m. 7.9
190 m. 7.9

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Vertical net, $\frac{1}{2}$ in.	150-0	11		
Mitwood (cable out 150 m.)		12.5	11.5	
$\frac{1}{2}$ m. #2	0	6.5	8.5	

11-5314

NOTES

all day, many drifts
windy.

Station No. 20069

Date: March 12 1980

Hour: 1 - 7 A. M. to

L. M.

Position: Lat. $40^{\circ} 47' N$ Long. $66^{\circ} 08' W$
chart 40741

Locality:

Depth: 0 fms Bottom: — Sample: —

Wind: Direction, SSW Force, 3
Sea: Sky: air T. $52^{\circ} \pm 11.1$

TEMPERATURES

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency

REMARKS:

11-211

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
dry, open water	100-0			
# 20 km.	500-0			
	surface			

11 = 11

NOTES

Tie muk wuf muk.
Tie muk - 100 -

very characteristic
of very coarse
fish. If Reiffen, 1891,
with his name, I will
recommend - Lateral Salmon
from Philippinae formanum -
Say's species - 2 sp. larger
Philippines, name of which is Whillett
and the smaller

At 7:00 pm., enough to 20070, 1/2 min net was put over and towed 20 min.; ship slowed down.

March 18, 1862. Yours,

Station No. C 100 Date: 1917

Hour: 2:00 A.M. to 3:09 A.M.

Position: Lat. 42° 53' Long. 66° 15'
Chart 40 941

Locality:

Depth: Bottom: Sample:

Wind: Direction, S.W. Force, 4
Air 49 = 9.4

Sea: Rough Sky:

TEMPERATURES

Depth metres	Thermometer Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	Sample No.	Bottle used
0	1302A	37°			37.5	1	
45	14220 72	2.91	6.5	-1.3	2.78	2	
112	14220 75	2.50	6	-1.6	2.74	6	
0	14220 76	2.69	6	-1.0	2.59	11	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
1/2 meter 5 sec.	50 fms	1 min	1 min	

11-5314

NOTES

to wish him safe note

Station No.

Co 5671

Date: March 13

1911

Hour: 5:00 A.M. to 6:30 P.M.

Position: Lat. 42° 11' S. Long. 66° 12' E.
Chart 110-7001

Locality:

Depth: 225 m. Bottom: — Sample: —

Wind: Direction, SW Force, 3 Air $50 = 100$

Sea: Rough. Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	N. Sample	Bottle used
Surface	L.S.C.						
0	R 11404	37.5		.10	3.33	V	1
20	R 11499	3.00	9.	-1.0	2.90	V	1
40	N 231515	3.20	7	-1.05	3.15	V	1
100	N 231873	6.62	7	-1.15	6.18	V	2
150	N 231875	6.90	6	-1.05	6.85	V	1
215	N 231878	6.58	5.5	-1.04	6.54	V	1

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

NETS, ETC., USED

11-5314

NOTES

153 - 1st. very small
place.

For the handwriting sample

Station No. C-6002 Date: 10 10 1910

Hour: 7:50 A.M. to 11:30 A.M.

Position: Lat. 42° 36' Long. 65° 30'

Locality:

Depth: 91 meters Bottom: — Sample: —

Wind: Direction, SSW Force, 2

Sea: — Sky: —

TEMPERATURES

Depth	Thermometer Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	Tyco's A	35°		+0.5	34.5	✓	
12	H2 20.73	2.00	6.	-1.2	1.8	✓	2
20	H2 20.71	2.20	5.	-1.6	3.10	✓	1
92	H2 20.71	3.50	3.75	-1.0	3.00	✓	5
<i>Surface</i> , 7.95°							
"		90 m	8°				

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
1/2 meter +	75-80			

11-5514

NOTES

Station No. 60003 Date: June 10 1910

Hour: 12:57 A.M. to 2:29 P.M.

Position: Lat. $43^{\circ} 38' N$ Long. $65^{\circ} 06' W$
Chart 80941

Locality:

Depth: 75 meters Bottom: — Sample: 20

Wind: Direction, NW Force, 5-6

Sea: 1 meter Sky: clear

TEMPERATURES

Depth meter	Thermometer- Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	K. 2.5	35.5	-0.5	2.22	V		
20	K. 2.5	2.20	5.5	-10	2.10	V	
40	" 2.5	2.14	3.5	-04	2.10	V	
70	K. 11.0	2.02	8	0	2.02	V	1

Velocity, surface, 7.7.

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11-5314

NETS, ETC., USED

Description	Depth 2 m. 10 m.	TIME		Speed
		Down	Up	
1/2 m. vertical	70-0			
#20. { 1/2 m. }	Surface	2 min.		
1/2 m.	70-0	1.42		

11-5314

NOTES

Surface net, very scanty -

70-0 - fractionally nothing -
very little - but small.

Station No. C-200; Date: March, 19 1910

Hour: 10:00 A . M. to 11:48 . M.

Position: Lat. $43^{\circ} 18' N$ Long. $64^{\circ} 58' W$
chart 40941

Locality: #1

Depth: 160 feet Bottom:

Sample: —

Wind: Direction, NNW Force,

$$\text{Air-39} = 3.9$$

Sea: / /

Sly:

TEMPERATURES

Depth	Thermometer Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	Officers "A"	34.0		+0.5	34.5	✓	
30	" 20872	1.20	0.5	+0.04	1.24	✓	8
40	" 20872	1.70	0.5	0	1.70	✓	
100	" 20873	2.90	1.	-0.04	2.86	✓	2
150	C.R. 11449	4.60	0.5	+0.08	4.68	✓	10

Alluvium	Surface	7.9
"	130 m.	7.9

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

NETS, ETC., USED

Description	Depth Metres	TIME		Speed
		Down	Up	
1/2 m vertical	150-0	1 "		
Metres, min. 100	125-0	1 "		
42.0 1/2 m.	{	Surface	"	

11-5314

NOTES

vertical scantly - but more
than last day. Calanuching

Station No. 1020 Date: June 19 1910

Hour: 12 P. M. to 3:47 P. M.

Position: Lat. $42^{\circ} 55' N.$ Long. $64^{\circ} 36' W.$
Chart 140701

Locality:

Depth: 9 fms Bottom: Sample: -

Wind: Direction, NNW Force,

$$A/F = 39 = 3.9$$

Sea: Sky:

TEMPERATURES

Depth	Thermometer - Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0 ft	B. S.	22.5		+0.5	23.0		
1.22 m	1.22 m	0.30	2	-0.3	0.77		5
" 1.73	" 1.73	0.43	2.5	-0.4	2.11		2
90 ft. 114.9	114.9	3.70	1.0	+0.6	3.76		1

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

NETS, ETC., USED

Description	Depth meters	TIME		Speed
		Down	Up	
Vertical net	90 - 0	120°		
Meter net.				
cable out 100 m 240°	80 - 0	3:12	3:16	
1/2 meter } 20 net }	surface			Knots.

11-6314

NOTES

80 - 0 - Cynamone longa
Platynotus Chile etc.

20 mts - thin mesh.

Station No. ~ Date: 1910

Hour: 12^h M. to 3:19 M.Position: Lat. 41° 2' S. Long. 64° 42' E.
Chart 1470 1000

Locality:

Depth: 250 Bottom: — Sample: —

Wind: Direction, W X N Force, 3 Air 37 = 2.8

Sea: Smooth Sky: Clear

TEMPERATURES

Depth miles	Thermometer Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	Sperry "A"	1.30		+0.5	1.28	✓	
50	N.Z. 20875	1.00	1.	-0.1	0.99	✓	
"	" 20875	1.25	1.	-0.1	1.20	✓	
"	" 20875	7.70	2.5	-0.1	7.39	✓	
"	" 20875	8.60	2.5	+0.1	8.61	✓	
200	" 20875	6.27	2.5	-0.1	6.20	✓	
250	R. 11477	5.20	1.	+0.8	5.28	✓	
100	N.Z. 20875	8.80	3.5	+1.2	8.92	✓	
250	N.Z. 20875	5.55	3.	-0.3	5.53	✓	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-8314

NETS, ETC., USED

Description	Depth Meters	TIME		Speed
		Down	Up	
1/2 m, vertical	2500		15m	
" 20 } surface.				{ 1/2 km
Chlorophyll	2400			L 65
Water	1600			L 55

11-5314

NOTES

Vertical haul,
for small benthos
not saved.

" 20 m. gain.

Both deep nets rich catches
of small epibionts -
1 Phragmites
1 Merluccius (?)
2 Myctophum
Daphnia - little or no calanus
Cleome - var sphaeroides
depth 20 m.

NETS, ETC., USED

Description	Depth metres	TIME		Speed
		Down PM	Up	
Acetate net	500 - 0	11. ²⁰	11. ²⁵ AM	
Surface # 20	0	11.05	11.25 PM	
" " $\frac{1}{2}$ meter	0	" "	" "	

11-5314

NOTES

$\frac{1}{2}$ m. Surface - some crop (chevrol)
20 - fair

Acetate net - 1500 m. out L 60°
Acetate net 1000 out L 60°

500 - 0 - typical surface

Black fish - red brown -
long yellow - several
yellow & yellow 13 cm.
C. p. C. S. large

500 - 0 - black fish -
Red brown - large
Red fish (Anablepsis)
White - common - hollowes,
Red fish - hollowes
Blue fish -

Station No. C 20076

Date: 1/1/10

19110

Hour: 39 M. to 01 M.

Position: Lat. 42° 59' Long. 65° 4' W
Chart 40.941

Locality:

~~70 fath~~Depth: ~~170 m~~ Bottom: - Sample:

Wind: Direction, E. Force, 6 Air 36 = 2.2

Sea: very lit Sky: 200

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	"Tyros" A	35°		+0.5	1.95		
20	NZ 20874	1.90	3.5	-0.08	1.82	✓	1
40	NZ 20873	2.20	3.5	-0.08	2.12	✓	2
100	NZ 20872	2.75	3.5	-0.08	2.67	✓	5
165	NZ 21575	4.60	3.	-0.01	4.59	✓	3

Relatively surface.

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

NETS, ETC., USED

Description	Depth metre	TIME		Speed
		Down	Up	
1/2 metre	110 -	30:55	30:55	
1/2 m 3	cup			half hour

11-504

NOTES

Very scanty catch
in all nets.

18.1%
1.6%

Getting up. E. side with
wind

Wind N. W. 10 m from the
station 100 m, temp 11.5°
wind 35°.

Quarter master, Tuna for
previous 5 or 6 hours
not finding

Station No. 28009 Date: Oct. 21 1912

Hour: 35 P.M. to . M.

Position: Lat. $44^{\circ} 21'$ Long. $66^{\circ} 37'$
Chm. 40 msl

Locality:

Depth: 210 m Bottom: wet clay Sample: 1

Wind: Direction, WSW Force, 2

Sea:

Sky:

TEMPERATURES

Depth metres	Thermometer Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	N. Sample	Bottle used
0	Spars 'A'	36°	—	.05	35.95	✓	
10	N. 2000	2.20	3.	-.06	2.14	✓	11
10	R. 1100	2.19	4.	-.02	2.17	✓	
15	N. 2000	2.66	5.	-.11	2.55	✓	
"	S. 2000	3.40	4.5	-.08	3.32	✓	5
00	C. 1100	4.30	3.5	-.01	4.29	✓	8
<i>Chlorinity surface</i> 7.7							
<i>"</i> 7.7							

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
7	2	/	/	
Cleopatra's Needle	170 fms	2:29 P.M.		
7	2	/	/	
Longnitic acidometer	100 fms	2:52	2:55	

11-5314

NOTES

Station No. P-2008 Date: 11-11-11 1910

Hour: 8:15 P.M. to 7:11 P.M.

Position: Lat. $44^{\circ} 21'$ Long. $67^{\circ} 7'$

Locality:

Depth: 61 meters Bottom: — Sample: —

Wind: Direction, WxS Force, 2 Air H2 = 5.56

Sea: Smooth Sky: Clear

TEMPERATURES

Depth meters	Thermometer— Make and No. B.S. #	Reading	Stem Temp.	Correc- tion	Corrected Temp.	Sample W.E.	Bottle used
0	Spars A.	34.0	—	+0.5	34.5	✓	
30		1.31	3.	-0.5	2.5	✓	
60		1.42	2.5	+0.1	1.43	✓	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

Numerous auroras visible,

NETS, ETC., USED

Description	Depth Metres	TIME		Speed
		Down	Up	
1/2 trawl vertical	20-0			PAT
Met. f. 2.6. 1m - 40°	30-0	8:42	9:11	
1/2 m #70	0	8:40	9:10	

11-5314

NOTES

Vertical - very scanty.
 Met. 1/2 m - 19 min. most
 Pelagic forms, squids

Station No. 11-531 Date: November 12 1914

Hour: 11.40 P.M. to 1:15 A.M.

Position: Lat. $44^{\circ} 08'$ Long. $67^{\circ} 46'$
Chart 140 7111

Locality:

Depth: 206 m. Bottom: — Sample: —

Wind: Direction, W N S Force, 2

Sea: ~~Westerly~~

Sky: Clear.

$$411 - 42 = 556$$

TEMPERATURES

Depth meters	Thermometer - Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	Sample N.	Bottle used
0	B.S. 4	25.0	-	.05	24.95	v	
10	R 11499	1.80	41.5	-.04	1.76	v	
20	N.Z. 20812	1.71	41	-.08	1.63	v	
30	" 20812	2.33	41.	-.07	2.26	v	
40	" 20814	5.10	41	-.03	5.07	v	
50	" 21575	5.40	3	-.01	5.39	v	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

Strong predom. N. wind still variable

NETS, ETC., USED

Description	Depth Fath.	TIME		Speed
		Down	Up	
1/2 in. black net	...	AM	AM	
1/2 in. black net	20-25 fath.	11:59	12:31	
1/2 in. #70	0...	11:55	12:30	
1/2 in. black net	160 - 6	AM	12:30	1.5

11-5314

NOTES

Bottom - Dark sand, Negligible plants.
Some calamus.

#20 Dark calamus, little else.
Very little sand. Dark calamus,
little else.

160 - 6 hard about 30 fath.
Layers of fine sand.
Dark Negligible small
amount of calamus.

Station No.

Date: 1910

Hour: 11 . M. to 11:13 A. M.

Position: Lat. $11^{\circ} 54' N$ Long. $66^{\circ} 53' W$
Chart 16670

Locality:

Depth: 7' Bottom: — Sample: —

Wind: Direction, W x S Force, 3
Alt-14: 6.67

Sea: Smooth Sky:

TEMPERATURES

Depth Fath.	Thermometer - Make and No. B.C. #	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0		26.3	-	.04	26.7	v	
20	R. 1140	2.35	3.	0	2.31	v	10
50	N.Z. 206	2.59	4.	-.07	2.51	v	
180	" 208	3.10	3.5	-.05	3.05	v	

All samples taken at 2.9.

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

NETS, ETC., USED

Description	Depth Metres	TIME		Speed
		Down	Up	
1/2 meter	120-0		AM	
1 meter	110 on + 140	5:28	6:12	
1 1/2	30	5:30	6:13	
1/2 meter				

11-5314

NOTES

Vertical - by chance, no sample
not saved

Surface haul, fair.

Station No. 1120083 Date: 11/11/20 1912

Hour: 9⁰⁰ A.M. to 10-074 M.

Position: Lat. $41^{\circ} 30' 41''$ N. Long. $66^{\circ} 21' 11''$
Chart No. 900

Locality:

Depth: 68 fms. Bottom: — Sample: —

Wind: Direction, SW Force,

Sea: smooth Sky: clear

TEMPERATURES

Depth miles	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
	138.5						
10.1	35.	—	+0.5	1.95	✓		
16	R. 112.90	1.56	4	.04	1.52		1
21	R. 112.20	2.161	4.	-0.07	2.154	✓	5
65	" 202	4.210	3.	-0.06	4.04	✓	4

Albion, Aug. 22

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Vertical 1/2 m.	65-0		11:11	
1/2 in. net #20	25-40' - 0	9:30	10:06	

11-5314

NOTES

vertical - scanty - saved.
 meter net - equal
 Plemobranchia - some
 Capitellae - not much else.
 Sample saved.

2 m. net - scanty.

Station No. 200 Date: 1-1-1910

Hour: 2⁰⁰ P.M. to 3⁰⁰ P.M.

Position: Lat. $41^{\circ} 18' N$ Long. $165^{\circ} 09' W$
Alt. 600 m

Locality:

Depth: 55 fms. Bottom: - Sample:

Wind: Direction, S.W. Force, 3

Sea:  Sky:

TEMPERATURES

Depth meters	Thermometer— Make and No. B.S. #	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used GB#
0	2.5. 357.3.	—	—	1.14	2.11	V	
20	2.5. 357.3. 1.80	3	3	.06	1.70	V	2
50	R. 11469 1.81	2	2	0	1.91	V	10

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS.

NETS, ETC., USED

Description	Depth meters	TIME		Speed
		Down	Up	
Vertical 1/2 meter	8-0m		PM	
1/2 m. net - 3cm - 20° 40' 110-0		2:27	3:00	
1/2 m. #20	3-0	2:27	2:57	

11-5314

NOTES

Vertical - too sandy bottom
not taken.

#20 net has much fine
sand - cleaned up by the
tide.

water not very sandy -
very few fish -
very few fish.

bit bottom - some sand
in water sample.

Station No. C-20085 Date: May 1 1912

Hour: 5:15 P.M. to 6:00 P.M.

Position: Lat. 43° - 17' Long. 66° 3' 30'
chart C 65 1106

Locality:

Depth: 75' Bottom: - Sample: -

Wind: Direction, SSW Force, 4-5. Air temp: 5.19

TEMPERATURES

CURRENTS

Color of water:

Transparency:

REMARKS:

NETS, ETC., USED

Description	Depth meters	TIME		Speed
		Down	Up	
Melin net (bottom 70 m) - 20	60 - 0	4.22	6.05	
1/2 m. # 20	5	—	5.85	6.05

11-5314

NOTES

20 net - sand.

Chapman came by boat

Melin net - scanty
few *P. lundstramia* small
chunk debris from bottom -
little else. all saved.

1/2 meter to surface.
scant. few *P. lundstramia*

Station No.

Date: March 22 1912

Hour: 9⁰⁰ P.M. to 11⁰⁰ P.M.Position: Lat. 43° 10' 30" Long. 67° 12'
Chart C & G S 1006

Locality:

Depth: 176 m. Bottom:

Sample:

Wind: Direction, W X S Force, 3

$$\text{Air Temp} = 8.33$$

Sea: Choppy Sky:

TEMPERATURES

Depth	Thermometer Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	N. Sample	Bottle used
0	R 11499	38°	—	+0.1	37.61		
20	R 11499	3.40	4.	0	3.40	v	10
11	H 21013	3.51	5.	-1.2	2.39		
10	20012	4.31	5.	-0.9	4.29	v	
15	20016	5.05	5.5	-0.5	5.01		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

NETS, ETC., USED

Description	Depth meters	TIME		Speed
		Down	Up	
Vertical 1/2 m	170 - 0		PAN	
Vertical out 170, L 30°	150 - 0	10:11:15	11:20	
1/2 m	0	10:11:15	11:20	

11-5314

NOTES

vertical haul - small fish
 enough to make a trap line.
 20 mts. down haul.
 Net net - very scanty
 enough large chum - 3 mts
 out - trawl.

The more - without
 the chum.

Station No. 1000 Date: Jan 191

Hour: 3:50 P.M. to 5:30 P.M.

Position: Lat. 42° 37' N. Long. 127° W.
Chart CT 65 1106

Locality:

Depth: 35 fms Bottom: 99' sand Sample: 1

Wind: Direction, $SX\bar{E}$, $SX\bar{W}$ Force, Z
 $A_{10}^{\bar{E}} 53 = 11.67$

Sea: Sky:

TEMPERATURES

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency

REMARKS:

NETS, ETC., USED

Description	Depth meter	TIME		Speed
		Down	Up	
Ende Vertical	250-0			
Meteorological	200-0	4:15	4:25	
Bottom	150-0	4:15	5:30	
12 m.	...0...	4:45	5:20	
# 70				

11-5314

NOTES

W. C. - for - Ende
 bottom.
 Slight. from some calico
 Very small and obese
 No fish.
 Calico,
 1000.

Station No. 40578 Date: 11/11/1911

Hour: 9:40 A.M. to 11:10 P.M.

Position: Lat. 41° 15' Long. 61° 45'
Chart Co 651106

Locality:

Depth: Bottom: Sample:

Wind: Direction, S X W Force, 2

Sea: Smooth

Sky: Clear

AIR 47 = 8.33
TEMPERATURES

Depth metre	Thermometer Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	Sample No.	Bottle used
0	Type A 36	-	-	+0.1	2.50	-	-
1	R 11449 2.20	3	0	-0.00	2.20	v	-
2	T 11573 2.28	4	-0.08	-0.20	2.20	-	-
100	" 20672 3.68	4	-0.07	-0.01	3.61	v	3
150	" 20674 5.00	3.5	-0.03	-0.17	4.70	-	-

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

NETS, ETC., USED

Description	Depth metres	TIME		Speed
		Down	Up	
1/2 meter vertical	10-0		PA'	
Mitred net/allow out 15 m. $\angle 35^{\circ} - 25^{\circ}$	12.1	10:25	11:00	
15 m #20	7-0	10:25	10:53	

11-5314

NOTES

Vertical to slightly to seawards,
 not much from 10 m.
 6 to 7 1/2 m - some distinct
 1/2 m - poor catch
 low down poor catch
 just under bottom -
 suspended all day

Station No.

1000089

Date:

1912

Hour: 3:17 P.M. to 4:55 P.M.

Position: Lat. $41^{\circ} 26' N$ Long. $101^{\circ} 11' W$
Chart C, TG. ~~1454~~ (1106)

Locality:

Depth: 60 m. Bottom: Sample:

Wind: Direction, NW Force, 6
Sea: 1.7 Air $42 = 5.56$

Sky: Clear

TEMPERATURES

Depth	Thermometer Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
surface	15.0.						G.13
0	Tycor A	37°	—	.05	3.05	x	
10	N.Z. 20873	2.48	4	-.09	2.39	v	2
25	" 20872	2.38	4	-.07	2.31	v	
60	" 20874	1.58	4	-.09	1.49	v	4

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-8314

NETS, ETC., USED

Description	Depth Fathoms	TIME		Speed
		Down	Up	
Vestige 1/2 m.	60' 0	15'		
White elevation, 130'	130' 0	12.	4.21	
1/2 m. + 1/2 m. 12" & 20"	{ 130' 0	24.0	10.21	

11-5314

NOTES

R. F. Blitsman

Station No.

Date:

191

Hour: 10:15 A.M. to 11:55 A.M.

Position: Lat.

Long.

C T.G. Chart ~~4~~^{Zong.} (1106')

Locality:

Depth: 134 meters

Bottom:

Sample:

Wind: Direction,

Force, 3

$$Air \ 40 = 4.4$$

Sea: Smooth

Sky: *Clear*

TEMPERATURES

Depth M.L.T.	Thermometer— Make and No. B.S. #	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	2cos A	37.5	-	+0.5	3.33	✓	
1	R 11100	2.50	3.	0	2.50	✓	
2	Vill 508 3	2.50	3.6	-0.8	2.42	.	
7	" 508 " 2	2.57	2.	-0.2	2.35	.	
12	" 508 " 1	2.50	2.5	-0.5	2.25	.	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-8314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
V. 10' net - 21.0	120.			
10' net - 100' - 12'	100.	11:20	11:30	
Net 12' net - 21.0	21.	11:20	11:30	

11--5314

NOTES

Station No.

Date:

191

Hour: 1⁵⁰ P.M. to 1:15 P.M.Position: Lat. $42^{\circ} 43' N$ Long. $70^{\circ} 22' W$
C. 5G. Chart # ~~241~~ (1106)

Locality:

Depth: 60 meters Bottom: — Sample: —

Wind: Direction, NW x N Force, 3

Sea: — Sky: Clear

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	2yrs A			+0.5	3.33	✓	2B
20	NZ. 20873	2.54	2.5	-0.6	2.18	✓	2
60	R. 11499	2.50	2.5	0	2.50	.	10

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

NETS, ETC., USED

Description	Depth Meters	TIME		Speed
		Down	Up	
Net 2 m/40 m 148	30-0	21 18	21 55	
120 ± 20				

11-5314

NOTES

Bottom - surface - about 1/2 sand
 Bottom of diatomaceous

4
Station No. C-20005 Date: 1/1/00 191

Hour: 5:30 A.M. to 7:45 P.M.

Position: Lat. $42^{\circ} 46' N$ Long. $10^{\circ} 7' W$
 $1,150 \text{ fms. (1106)}$

Locality:

Depth: 85 fms. Bottom: — Sample: —

Wind: Direction, NW by W Force, 3 $A_{10-42} = 5.6$

Sea: Smooth Sky: Cloudy

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
10 fms.	Br. S. 2	37.	—	+0.5	3.05	V	1
10 fms.	Br. S. 2	2.00	2.5	-0.6	1.94		2
10 fms.	Br. S. 2	2.30	2.5	-0.4	2.16		3
10 fms.	Br. S. 2	2.41	2.5	-0.1	2.35		2

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

NETS, ETC., USED

Description	Depth Meters	TIME		Speed
		Down	Up	
Vertical (m)	5.00	PM		
75' otter (about 150 m.) 270 m.	bottom	6:05		
(4) M. net 12" #20	0	6:00	6.50	

11-5314

NOTES

~~Heavy gear used.~~

* M. net with comes up full of trash.
 not deep.

Diatoms.

~~11-1-~~

~~Bottom trawl net taken
 bottom trawl net taken
 bottom trawl net taken~~

Station No.

Date:

191

Hour: 10.30 A.M. to 11.55 P.M.

Position: Lat. $41^{\circ} 57' N$ Long. $70^{\circ} 51' W$
C. 1500 m - ~~1600~~ fms.

Locality:

Depth: 93 fms Bottom: Sample: 16 fm

Wind: Direction, N NW Force, 3
 $Air - 39 = 3.9$

Sea: *Smooth* Sky: *Clear*

TEMPERATURES

Depth meters	Thermometer— Make and No. B.S. #	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	Lysos A	37.5	-	+0.5	37.0	✓	
20	R. 11499	2.40	1.	+0.2	2.12	✓	
	N.Z. 20815	2.50	1.5	-.01	2.26	✓	
1	R. 20812	3.60	1.5	-.01	3.59	✓	
1	R. 20814	4.00	1.5	-.01	3.99	✓	21

CURRENTS

Color of water:

Transparency:

REMARKS:

11-5214

NETS, ETC., USED

Description	Depth metres	TIME		Speed
		Down	Up	
Vertical	160 + 0	PAI		
Horizontal ... 230	121 + 0	11.13	11.50	
Horizontal 12"	0	11.15	11.50	

11-5314

NOTES

Swarm of diatoms.

11/17/11
11/17/11
11/17/11

Station No. 100 Date: 1912

Hour: 3:00 A.M. to 4:15 A.M.

Position: Lat. $11^{\circ} 0' \text{ N}$ Long. $60^{\circ} 0' 0'' \text{ W}$
C. FG. S. chart ~~1106~~ (1106)

Locality:

Depth: 75' Bottom: - Sample:

Wind: Direction, $\frac{V}{\sin 37} = 3.9$

Sea: smooth Sky: clear

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
712	B.S.F.						
0	19003 A	36.5	—	+0.5	2.78	✓	
20	19003 A	2.40	2.5	-0.1	2.34	✓	
40	19003 A	2.50	2.5	-0.04	2.46	✓	3
		2.86	2.5	-0.04	2.82	✓	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency

REMARKS:

11-8214

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
11m / 12m 70m	31 35-0	3:35	4:05	
12m	?	0	3:35	4:05
12"				
Vertical	90-0			

11-5314

NOTES

Diatoms1 fm. haul, blue water

Station No. 1009 Date: 4/18/1910

Hour: 10 A.M. to 1 P.M.

Position: Lat. $43^{\circ} 25' \text{ V}$ Long. $70^{\circ} 10' \text{ W}$
C. I.G.O. Chart #~~1244~~(1106)

Locality:

Depth: 10' Bottom: - Sample:

Wind: Direction, NWXN Force, 2
Air HI = 55.0

Sea: Sky:

TEMPERATURES

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

NETS, ETC., USED

Description	Depth in fms.	TIME		Speed
		Down	Up	
Yacht net	900 fms.	11:15		
Bottom trawl	1100 fms.	8:19	11:15	
$\frac{1}{2}$ m. 12"	c	8:19	11:15	

11-5314

NOTES

Bottom trawl bottomed at 8:19
 Bottom trawl bottomed at 11:15
 Bottom trawl bottomed at 11:15

Station No.

Date:

19120

Hour: 12:20 P.M. to 1:35 P.M.

Position: Lat. 43-40 Long. 69-37

Chart C & G 1106

Locality: Off Boothbay

Depth: 80 fathoms Bottom: — Sample:

Wind: Direction, SW Force, — 2

Sea: — Sky: —

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
2.6 fms	B.S. 7	36.5		+0.5	2.78	✓	1
5 " "	"	2.1	5.0	-0.9	2.22	✓	1
60 " "	2.4	4.0	-0.1	2.39	✓	2	

Altimetry - Sea level 8.0

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Meter net (45 m. out) ³⁰ V	35-0	12:15	1:30	
Meter net " " 20	{	1:00	1:00	
Lei. net	50-0			

11-5314

NOTES

V. 15 m. 45 m. 15 m. 20 m.
measurable.

35-0, very scanty.

Station No.

60° 11' N. Lat.

Date:

1916

Hour: 11:00 P. M. to 12:25 A. M.

Position: Lat. 43° 19' Long. 68° 54' 30"

Chart C. G. S. 1106

Locality:

Depth: 150 fms Bottom: — Sample: —

Wind: Direction, SW Force, — AIR $40 = 4.4$

Sea: Smooth Sky: Clear

TEMPERATURES

Depth	Thermometer Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	Tyco A	37.5	—	+0.5	3.33	v	GB
20	R. 11419	2.40	3	0	2.40	v	10
100	NZ 20871	3.2	3.0	-0.1	3.13	v	11
180	" 20872	3.5	3	-0.04	3.46	v	5
125	" 20873	4.60	3	-0.09	4.51	v	2

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

NETS, ETC., USED

Description	Depth Metres	TIME		Speed
		Down	Up	
Vertical (½ meter)	130 ~0		AM	
Meter	?			
' 20	5			

11-5314

NOTES

Vertical net carried away.

No diatom clionae

Station No. (1)

Date:

191

Hour: 7 . M. to . M.

Position: Lat. 43-42-30 Long. 67-55-
Chart C + 651106

Locality:

Depth: 215 fms. Bottom: Sample:

Wind: Direction, E Force, 1 Color
Alt-44 = 6.7

Sea: Smooth Sky: Clear

TEMPERATURES

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency

REMARKS:

11--8314

NETS, ETC., USED

Description	Depth Meters	TIME		Speed
		Down	Up	
Closing/cable 150m L40	125	8:00	8.35	
Meter net #20	0	8:00	8.35	
Mit/Wabon 125° L 40-60°	9.0		9.30	

11-5314

NOTES

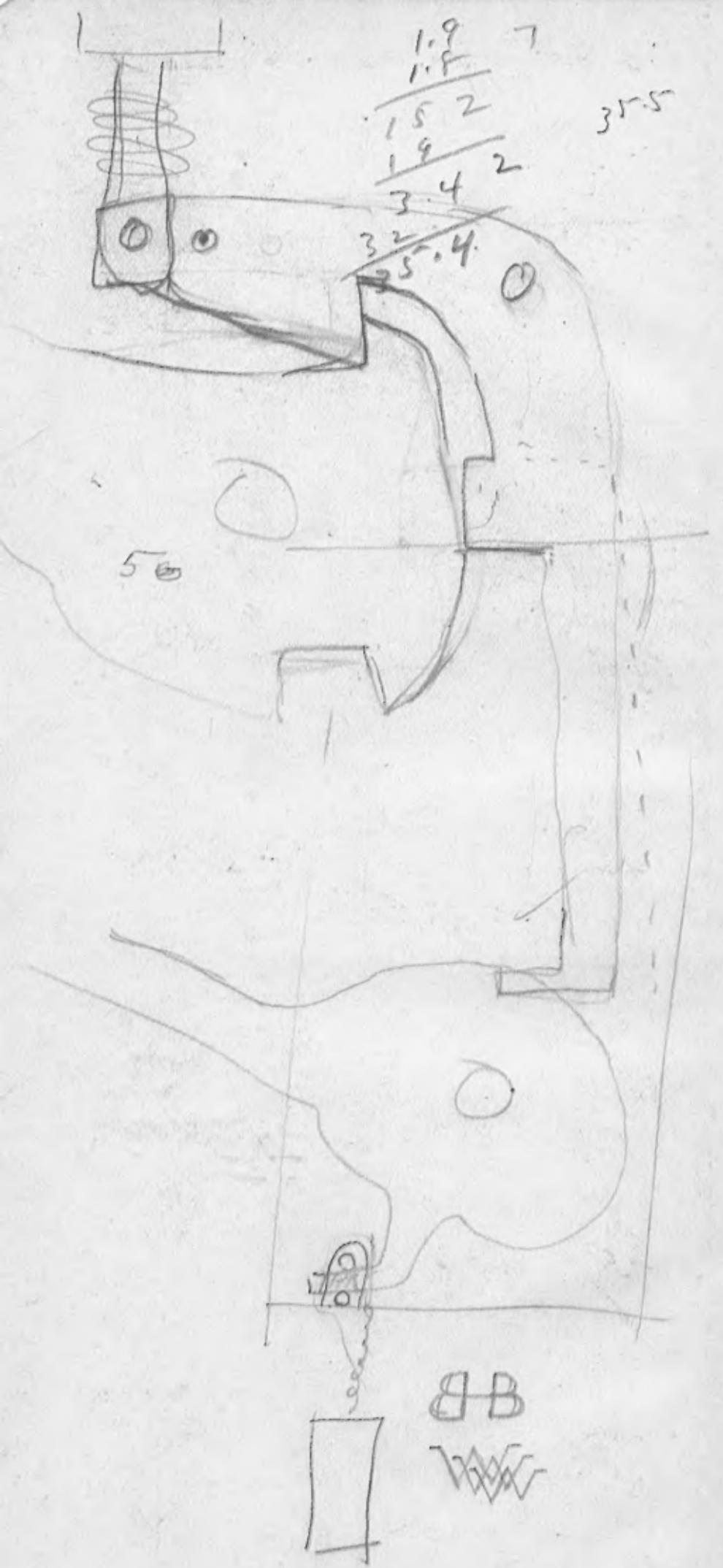
Impossible to use closing net
act. quantity of seaweed.
On foul meter net clogged with seaweed
no diatoms.

62
89
95
119

33.5
34.3

18) 2.00 1.1 2.3
1.8

2.0 1.8) 2.3 1.2
1.8 5.0
3.6



Frigg

$$\begin{array}{r}
 & 3.6 \\
 & 18 \\
 \hline
 28 & 8 \\
 26 & \\
 \hline
 & 6.48 \\
 32 & \underline{\quad} \\
 \hline
 & 78.78
 \end{array}
 \qquad
 \begin{array}{r}
 9 \\
 \hline
 36 \\
 32 \\
 \hline
 35.6
 \end{array}$$

~~1.8
2.2
3.6
3.9
2
5.9~~

31
18
18
8

324

$$\begin{array}{r} 1.8 \\ \times 1.26 \\ \hline 32 \end{array}$$

$$\begin{array}{r}
 1.8 \\
 9 \quad 7 \quad 1.8 \\
 \hline
 2 \quad \quad \quad 2 \\
 - \quad \quad \quad 3 \overset{3}{\cancel{2}} \overset{6}{6} \\
 \hline
 35 \overset{1}{\cancel{6}}
 \end{array}$$

$$\begin{array}{r} 32 \\ \underline{-} 24 \\ 344 \end{array}$$

15
54

77

~~1.8
2.4
7.2~~